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the introduction of the present laboratory methods of teaching biology, and

WHEREAS, He was widely known and highly respected by his fellow botanists, and beloved by his numerous students in whose welfare and success he took the keenest personal interest, and

WHEREAS, The death of such a man comes as a personal loss to all American botanists; therefore be it

*Resolved*, That the Botanical Society of Washington express its deep sense of regret and extend to his family its deepest sympathy in their great bereavement; be it further

*Resolved*, That a copy of these resolutions be spread upon the minutes of this society and sent to the immediate relatives of the deceased and to SCIENCE.

PERLEY SPAULDING,  
*Corresponding Secretary*

#### SCIENTIFIC NOTES AND NEWS

THE annual general meeting of the American Philosophical Society will be held in the hall of the society at Philadelphia on April 22, 23 and 24, beginning at 2 P.M. on Thursday, April 22.

SIR J. J. THOMSON has been elected president of the Physical Society, London. Prince B. Galitzin has been made an honorary fellow of the society.

THE gold medal of the British Institution of Mining and Metallurgy has been awarded to Dr. Willet G. Miller, geologist of Ontario.

AT the meeting of the Royal Geographical Society on February 22, Mr. Page, the American ambassador, presented to Dr. Scott Keltie, secretary of the Royal Geographical Society, the Cullum gold medal, awarded to him by the American Geographical Society.

MR. JOHN S. LONGWELL, C.E. (Cornell, '10), of the Reclamation Service, has been awarded the prize given annually by the American Society of Civil Engineers for the best paper by a junior member of the society.

THE Samuel D. Gross prize of the Philadelphia Academy of Medicine for the year 1915 has been awarded to Dr. John Lawrence Yates, Milwaukee, for his essay entitled "Surgery in the Treatment of Hodgkin's Disease." The amount of this prize is \$1,500.

MR. W. H. HOYT, C.E. '90, College of Engineering, University of Minnesota, assistant chief engineer of the D. M. N. Railroad, has been elected president of the Minnesota State Surveyors and Engineers Society.

THE Atlanta Neurological Society was organized February 11, with the following officers: *president*, Dr. E. Bates Block; *vice-president*, Dr. Hansell Crenshaw; *secretary*, Dr. Lewis M. Gaines. The society will hold its meetings on the second Thursday of each month.

THE *Journal* of the American Medical Association states that Dr. William J. Mayo, of Rochester, Minn., was the guest of honor at the Detroit Academy of Medicine on February 23. On February 22, Dr. Mayo was the principal speaker at foundation-day exercises of the department of medicine and surgery at the University of Michigan, Ann Arbor, and on February 24 the Kalamazoo Academy of Medicine gave a luncheon in honor of Dr. Mayo, after which he gave an address on "Some General Considerations which influence the Advisability of Surgical Treatment." Dr. Charles H. Mayo was the guest of honor at the twentieth annual banquet of the Kansas City Academy of Medicine, February 27. Dr. Jefferson D. Griffith presided and Dr. Mayo delivered an address on "Why Gastro-Enterostomy Fails to Cure."

THE Harvard University unit for service at the American Ambulance Hospital in Paris left on March 17, to serve until June 30. Members of the unit are: H. Cushing, '95, M.D., A.M., Moseley professor of surgery, as head surgeon; R. B. Greenough, '92, assistant professor of surgery, surgeon and executive officer; R. P. Strong, professor of tropical medicine, bacteriologist; R. B. Osgood, M.D., '99, instructor in orthopedics, orthopedic surgeon; B. Vincent, '98, assistant in surgery, assistant surgeon; W. M. Boothby, '02, lecturer in anesthesia, anesthetist; F. A. Coller, '12, M.D.; E. C. Cutler, '13, M.D.; P. D. Wilson, and M. N. Peterson, '14, M.D., resident surgeons; L. G. Barton, Jr., '12, M.D., surgical assistant; O. F. Rogers, Jr., '12, M.D., medical

assistant; G. Benet, '13, M.D., laboratory assistant; and Miss Edith I. Cox, Miss Geraldine K. Martin, Miss Helen Park and Miss Marion Wilson, operating nurses.

DR. R. A. REEVES, professor of ophthalmology in the University of Toronto, president of the British Medical Association for the meeting held in Toronto in 1906, has become professor emeritus.

DR. B. H. A. GROTH has resigned his position as plant physiologist in the department of botany of the New Jersey College experiment Station, to become director of the experiment station under the government of the Republic of Panama. After April 15 he will be in Panama City.

DR. KARL VAN NORDEN, formerly in the research department of John Hopkins Hospital, who has been an officer in the German army since the beginning of the war, was seriously wounded at the battle of Lodz but is now about to return to the front.

DR. E. O. HOVEY, of the American Museum of Natural History, has gone to the West Indies to continue the studies on the volcanoes of the Lesser Antilles, which he began some years ago when the great eruptions on the islands of Martinique and St. Vincent occurred. He will devote his time particularly to the Grande Soufrière of Guadeloupe, Mount Pelé of Martinique, the Soufrière of St. Vincent and the boiling lake of Dominica, collecting gases from the fumeroles and making temperature observations, and taking note of the changes which have occurred since his visit in 1908. The expedition is undertaken through the aid given to the museum by the Angelo Heilprin Exploration Fund established by Mr. and Mrs. Paul J. Sachs.

THE departments of geology of Harvard University and Massachusetts Institute of Technology announce that Dr. Ralph Arnold will give a series of ten lectures on the "Geology of Petroleum." The first five lectures will be given from 4:30 to 5:30 p.m. on April 5, 6, 7, 8 and 9 in the geological department at Harvard. The last five lectures will be given from 4:30 to 5:30 p.m. on April 12, 13, 14, 15

and 16 in the geological department of the institute.

F. C. LANGENBERG, of Harvard University, and R. G. Webber, of Ohio University, Athens, Ohio, at the recent New York meeting of the American Institute of Mining Engineers read a paper on the Structure and Hysteresis Loss in Medium-Carbon Steel. It was illustrated by microphotographs of the physical structure, and curves of the hysteresis loss in a series of steels heat-treated to different temperatures.

PROFESSOR C. F. SHOOP, of the Experimental Engineering Department of the College of Engineering of the University of Minnesota, recently read a paper before the Minnesota Society of Engineers and Surveyors in annual convention in St. Paul. The title of the paper was "The Abrasion Value of Various Concrete Aggregates in Concrete Roads."

A MEMORIAL tablet has been placed in the house at Cosenza, Italy, where the eminent alienist, B. Miraglia, was born, and a similar tablet is to be placed in the insane asylum at Aversa, the scene of his work, and a street in Aversa is to be named after him.

MISS DAVY, niece of Sir Humphry Davy, has presented to the Royal Institution, London, a bust of the great chemist executed by Samuel Joseph in 1822.

FRANK ASBURY SHERMAN, professor of mathematics at Dartmouth College from 1871 until his retirement as professor emeritus in 1911, died on February 25 in his seventy-fourth year.

SIR GEORGE TURNER, distinguished for his work on the rinderpest and on leprosy, died on March 12 at the age of sixty-four years from leprosy, contracted during research work to discover a cure for the disease.

DR. E. VON ESMARCH, formerly director of the Kaiser Wilhelm Institute at Dresden, died on February 5, at the age of fifty-nine years.

DR. JULIUS ARNOLD, professor of pathological anatomy at the University of Heidelberg, died on February 6, in his eightieth year.

THE Washington Academy of Sciences held a joint meeting with the Biological Society

on March 11, in the Auditorium of the new National Museum, when there was a lecture by Mr. Wilfred H. Osgood, of the Field Museum of Natural History, who was engaged on a special investigation of the fur-seal question for the Department of Commerce during the summer of 1914. His subject was "Fur Seals and Other Animals on the Pribiloff Islands."

DIRECTOR JOHN F. HAYFORD, of the college of engineering, Northwestern University, addressed a group of graduate students and professors of the University of Wisconsin on the subject of "Isostasy" on March 1. That evening he addressed the Science Club of the same institution on the decision in regard to the Panama-Costa-Rico Boundary Dispute. Director Hayford was chairman of the committee appointed by the chief justice of the United States, which made a personal investigation and survey.

DR. LAFAYETTE B. MENDEL, professor of physiological chemistry in Yale University, addressed the Johns Hopkins Hospital Medical Society at Baltimore, March 1, on "Nutrition and Growth."

THE tenth lecture before the Harvey Society was given on March 13, at the New York Academy of Medicine, by Professor Elliott P. Joslin, of Harvard University, on "Carbohydrate Utilization in Diabetes, based upon Studies of the Respiration, Urine and Blood."

DR. CHARLES S. BERKEY, associate professor of geology in Columbia University, will give the last of the Jessup lectures on "Origin and Meaning of Some Fundamental Earth Structures" at the American Museum of Natural History on March 26. The subject of the lecture is "The Relation of Structural Geology to Practical Undertakings."

PROFESSOR EDWARD H. WILLIAMS, JR., of Woodstock, Vt., for many years head of the department of mining and geology at Lehigh and now a lecturer of the university, gave two lectures in February before the students. His subjects were "The Geology of the Lehigh Valley" and "The Formation of the Allegheny River."

THE American Association of Pathologists and Bacteriologists, of which Dr. Leo Loeb, St. Louis, is president, will meet in St. Louis, on April 2 and 3. The meetings will be held in the pathological department of Washington University Medical School and in the library of the St. Louis University. Preceding these meetings on April 1 will be held the annual meeting of the American Association for Cancer Research and the annual meeting of the International Association of Medical Museums. These meetings will be held in the laboratories of the Washington University Medical School.

THE seventh semi-annual meeting of the American Institute of Chemical Engineers will be held in San Francisco, Calif., from August 25 to 28. An itinerary is being arranged so that the natural scenery of the west may be seen and also some of the more important mining operations as well as the typical chemical industries of California.

THE senate of the Kaiser Wilhelm Society for the Advancement of Science at a session held on January 23, determined to break ground for the projected Kaiser Wilhelm Institute for Physiology and for the Study of the Brain. The Kaiser Wilhelm Institute for Biology is soon to be opened at Dahlem.

#### UNIVERSITY AND EDUCATIONAL NEWS

AT the convocation at the University of Chicago, on March 16, Julius Rosenwald Hall, devoted to the work of the departments of geology and geography, was dedicated. The building, a gift from Mr. Julius Rosenwald, a trustee of the university, has cost approximately \$260,000.

THE Arnold Biological Laboratory, ground for which was broken at Brown University last summer, is practically completed and will be put into use for regular class work with the reopening of college after the spring recess. The building, which is three stories in height, 117 feet long and 52 feet wide, will cost when finished \$80,000, and \$30,000 more will be expended upon the equipment. The cost of the building will be covered by a bequest made to the university for the purpose by the late Dr.